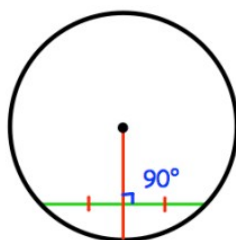


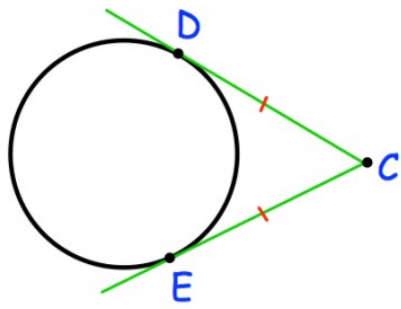
## (6) Tangents and radii

Do now:

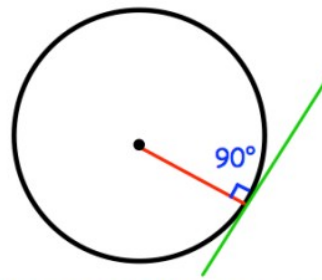


The radius through the midpoint of a chord will bisect the chord at  $90^\circ$

Perpendicular from the Centre to a Chord			
(a)	(b)	(c)	(d)
(e)	(f)	(g)	(h)
(i)	(j)	(k)	(l)
		Find y in terms of x 	Find y in terms of x 



The tangents to a circle from the same point will be equal length



The angle between a radius and a tangent is  $90^\circ$

Circle Theorems and Tangents			
(a)	(b)	(c)	(d)
(e)	(f)	(g)	(h)
(i)	(j)	(k)	(l)

Extension - calculate angle x

